

al 1995, and Application Serial No. 08/637,095, filed April 24, 1996, each of which is incorporated herein by reference in its entirety. --

Page 5, line 25, replace "measureable" with --measurable--.

IN THE CLAIMS:

al Please cancel claims 1-49 without prejudice or disclaimer. Please insert the following new claims.

50. A composition of matter comprising:
thermally modified collagenous tissue formed *in vivo* in a body from vascularized densely collagenous tissue which forms at least a portion of a ligament, tendon, or joint capsular tissue which interconnects portions of a body, wherein thermal modification of the vascularized densely collagenous tissue is performed by applying a generally controlled amount of thermal energy to the tissue to achieve a controlled modification of a geometry of the vascularized densely collagenous tissue.
51. The composition of claim 50, wherein the thermal energy heated the thermally modified collagenous tissue to a temperature in the range of about 45 to 75 °C.
52. The composition of claim 50, wherein the thermal energy heated the thermally modified collagenous tissue to a temperature in the range of about 50 to 70 °C.
53. The composition of claim 50, wherein the thermal energy heated the thermally modified collagenous tissue to a temperature in the range of about 55 to 65 °C.

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54. A composition of matter comprising:
thermally modified collagenous tissue formed *in vivo* in a body from vascularized
densely collagenous tissue which forms at least a portion of a medial side ligament of a patella,
wherein thermal modification of the vascularized densely collagenous tissue is performed by
applying a generally controlled amount of thermal energy to the tissue to achieve a controlled
modification of a geometry of the vascularized densely collagenous tissue.

55. A composition of matter comprising:
thermally modified collagenous tissue formed *in vivo* in a body from vascularized
densely collagenous tissue which forms at least a portion of a patellar tendon allograft, wherein
thermal modification of the vascularized densely collagenous tissue is performed by applying a
generally controlled amount of thermal energy to the tissue to achieve a controlled
modification of a geometry of the vascularized densely collagenous tissue.

56. A composition of matter comprising:
thermally modified collagenous tissue formed *in vivo* in a body from vascularized
densely collagenous tissue which forms at least a portion of a connecting tendon, wherein
thermal modification of the vascularized densely collagenous tissue is performed by applying a
generally controlled amount of thermal energy to the tissue to achieve a controlled
modification of a geometry of the vascularized densely collagenous tissue.

REMARKS

Entry of the above-identified Preliminary Amendment prior to examination on the
merits is respectfully requested. Support for the newly added claims can be found throughout
the specification and drawings. No new matter has been introduced.

A terminal disclaimer is submitted herewith to obviate a provisional double patenting
rejection over prior U.S. Patent No. 5,569,242.